

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/562,415
Source: IFWP
Date Processed by STIC: 1/9/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/09/2006

PATENT APPLICATION: US/10/562,415

TIME: 11:30:53

Input Set : A:\08321.0148PC1.TXT

Output Set: N:\CRF4\01092006\J562415.raw

```

4 <110> APPLICANT: THOMAS JEFFERSON UNIVERSITY
5     THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
6     Kathleen Delgrosso
7     Paolo Fortina
8     David Graves
9     Saul Surrey
11 <120> TITLE OF INVENTION: Methods For Detecting Nucleic Acid
12     Variations
14 <130> FILE REFERENCE: 08321-0148 PC1
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/562,415
C--> 16 <141> CURRENT FILING DATE: 2005-12-23
16 <150> PRIOR APPLICATION NUMBER: 60/483,352
17 <151> PRIOR FILING DATE: 2003-06-27
19 <160> NUMBER OF SEQ ID NOS: 37
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 20
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: barcode sequence
31 <400> SEQUENCE: 1
32 aatgctcggg aaggctactc                                20
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 20
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: barcode sequence
42 <400> SEQUENCE: 2
43 atcccgtgag tcgatggttt                                20
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 20
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: barcode sequence
53 <400> SEQUENCE: 3
54 cgcaccgcag tttggtcaat                                20
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence

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61 <220> FEATURE:
62 <223> OTHER INFORMATION: barcode sequence
64 <400> SEQUENCE: 4
65 agcccggtct catcgttggtt 20
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 20
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: barcode sequence
75 <400> SEQUENCE: 5
76 atcgtacttg gcactggagt 20
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 20
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: barcode sequence
86 <400> SEQUENCE: 6
87 gcccaaataa gacgtgagcc 20
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 20
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: barcode sequence
97 <400> SEQUENCE: 7
98 tccgacgcaa caatagggca 20
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: barcode sequence
108 <400> SEQUENCE: 8
109 cctgctcgac aactagaaga 20
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: barcode sequence
119 <400> SEQUENCE: 9
120 ccgcgaccag aattagatta 20
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 20
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:

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128 <223> OTHER INFORMATION: barcode sequence
130 <400> SEQUENCE: 10
131 gcctcgtcga aattatcaca 20
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 20
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: barcode sequence
141 <400> SEQUENCE: 11
142 ccatcgcacg aatgtagtac 20
144 <210> SEQ ID NO: 12
145 <211> LENGTH: 20
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: barcode sequence
152 <400> SEQUENCE: 12
153 gtactacatt cgtgcgatgg 20
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 20
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: PCR forward primer for IBD 268 SNP
163 <400> SEQUENCE: 13
164 ctggtttagt cccgtcttca 20
166 <210> SEQ ID NO: 14
167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: PCR reverse primer for IBD 268 SNP
174 <400> SEQUENCE: 14
175 acagtgtccg catcgatcat 19
177 <210> SEQ ID NO: 15
178 <211> LENGTH: 45
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to normal IBD
184 268 SNP
186 <400> SEQUENCE: 15
187 gagtagcctt cccgagcatt ggggtggctgg gctcttctgc ggggg 45
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 45
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:

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195 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to mutant IBD
196     268 SNP
198 <400> SEQUENCE: 16
199 aaaccatcga ctcacgggat ggggtggctgg gctcttctgc gggga           45
201 <210> SEQ ID NO: 17
202 <211> LENGTH: 45
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: LCR common 3' primer to IBD 268 SNP
209 <400> SEQUENCE: 17
210 tccagccatg cccacatctg cccaggtact acattcgtgc gatgg           45
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 19
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: PCR forward primer for IBD 908 SNP
220 <400> SEQUENCE: 18
221 gatggaggca ggtccactt           19
223 <210> SEQ ID NO: 19
224 <211> LENGTH: 20
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: PCR reverse primer for IBD 908 SNP
231 <400> SEQUENCE: 19
232 cacctgatct cccaagaaa           20
234 <210> SEQ ID NO: 20
235 <211> LENGTH: 45
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to normal IBD
241     908 SNP
243 <400> SEQUENCE: 20
244 attgaccaa ctgcgggtgcg cccctcgtc acccactctg ttgcc           45
246 <210> SEQ ID NO: 21
247 <211> LENGTH: 45
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to mutant IBD
253     908 SNP
255 <400> SEQUENCE: 21
256 aacaacgatg agaccgggct cccctcgtc acccactctg ttgcg           45
258 <210> SEQ ID NO: 22
259 <211> LENGTH: 45
260 <212> TYPE: DNA

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261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: LCR common 3' primer to IBD 908 SNP
266 <400> SEQUENCE: 22
267 ccagaatctg aaaaggccaa aagaggtact acattcgtgc gatgg          45
269 <210> SEQ ID NO: 23
270 <211> LENGTH: 19
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR forward primer for IBD InsC SNP
277 <400> SEQUENCE: 23
278 ggacaggtgg gcttcagta          19
280 <210> SEQ ID NO: 24
281 <211> LENGTH: 20
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: PCR reverse primer for IBD InsC SNP
288 <400> SEQUENCE: 24
289 cctcaaaatt ctgccattcc          20
291 <210> SEQ ID NO: 25
292 <211> LENGTH: 45
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to normal IBD
298     InsC SNP
300 <400> SEQUENCE: 25
301 actccagtgc caagtacgat tccaggatgg tgtcattcct ttcaa          45
303 <210> SEQ ID NO: 26
304 <211> LENGTH: 45
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: contains barcode and LCR 5' primer to mutant IBD
310     InsC SNP
312 <400> SEQUENCE: 26
313 ggctcacgtc ttatttgggc ccaggatggt gtcattcctt tcaag          45
315 <210> SEQ ID NO: 27
316 <211> LENGTH: 45
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: CR common 3' primer to IBD InsC SNP
323 <400> SEQUENCE: 27
324 gggctctgcag gagggcttct gccccgtact acattcgtgc gatgg          45
326 <210> SEQ ID NO: 28
327 <211> LENGTH: 20

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VERIFICATION SUMMARY

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Input Set : A:\08321.0148PC1.TXT

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date